## CONTENTS

<del></del>	Page	
Extent and description of area	1	
Scope and purpose of report		
Previous investigations		
Well-numbering system		
Acknowledgments		
Geologic setting	. 7	
Rock units and their water-bearing characteristics	7	
Columbia River basalt	7	
Ringold formation	9	
Palouse formation	9	
Glacial outwash sand and gravel	10	
Dune sand	10	
Effects of irrigation upon water levels	11	
Winchester-Burke area	12	
Moses Lake area	16	
Warden area	17	
Othello area	18	
Minor areas of shallow ground water	19	
Explanation of data		
Location of wells	21	
Configuration of the water table	22	
Configuration of the Columbia River basalt surface	22	
Well records	22	
Hirdmany pha	21.	

Errolan	ati c	n of dataContinued	Page
-		of wells	25
	-	cal analyses of water from wells	25
		ferences	26
		ILLUSTRATIONS	
Plate	1.	Well-location map	In back
	2.	Water-table map	In back
	3.	Basalt-surface map	In back
Figure	A.	Map showing location of areas in which water	
		levels generally were within 30 feet of land	
		surface in 1958	13
1-2	24	Hydrographs of selected wells	519
		TABLES	
Table	1.	Records of wells	28
	2.	Chemical analyses of water from wells	338
	2A.	Partial chemical analyses of water from wells	348
	3.	Logs of wells	351